Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	04/01/2021 09:58 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/15/2020 11:39 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	91417	Expiration Date:	03/31/2021 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124558	-1	2.99	124556	3.00
Blue	F	SSC	125000	122910	-2	4.07	123848	4.12
Blue	E	FITC	14203	13686	-4	3.39	298	15.86
Blue	D	PE	25703	25508	-1	3.08	553	10.80
Blue	B	PerCP-Cy5-5	42104	41034	-3	3.72	915	15.52
Blue	A	PE-Cy7	34646	34024	-2	5.00	483	30.67
Red	C	APC	49824	49155	-2	3.33	1506	11.81
Red	A	APC-Cy7	39773	39082	-2	3.38	726	12.01
Violet	B	V450	7447	7134	-5	4.19	392	12.94
Violet	A	V500	31193	29650	-5	3.98	672	10.31

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22062	3.23	559	3	N/A	N/A	Pass
Blue	F	SSC	53604	3.64	521	9	N/A	N/A	Pass
Blue	E	FITC	55	55.60	489	3	0.0390	183	Pass
Blue	D	PE	109	39.41	492	7	0.4059	331	Pass
Blue	B	PerCP-Cy5-5	173	36.77	583	6	0.0168	1	Pass
Blue	A	PE-Cy7	109	67.56	628	8	0.0204	4	Pass
Red	C	APC	348	24.04	572	5	0.0256	27	Pass
Red	A	APC-Cy7	201	25.14	550	6	0.0062	801	Pass
Violet	B	V450	89	41.37	450	1	0.0477	1630	Pass
Violet	A	V500	119	28.36	467	0	0.0241	480	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-32.52	-32.25	1.04
Blue	20.37	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.39
Red	19.72	15.99 - 23.99	N/A	N/A	30.45	30.83	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.73

Threshold

Threshold (FSC): 11046

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments